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PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Hironori OKADO

Group Art Unit: 2821

Application No.: 10/654,432

Examiner: A. MINH

Filed: September 24, 2003

Docket No.: 116710

For: ANTENNA AND DIELECTRIC SUBSTRATE FOR ANTENNA

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR §1.56, the attention of the Patent and Trademark Office is hereby directed to the reference(s) listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the reference(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

- ☒ 1. This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of a Final Rejection, Notice of Allowance, or other action that closes prosecution (e.g., Quayle Action), but before payment of the Issue Fee. Attached is our Check No. 175170 in the amount of \$180.00 in payment of the fee under 37 CFR §1.17(p). Please credit or debit Deposit Account No. 15-0461 as needed to ensure consideration of the disclosed information. Two duplicate copies of this paper are attached.
- ☒ a. I hereby certify that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement.  
37 CFR §1.97(e)(1).
- ☒ 2. The references were cited in counterpart foreign applications. English language version of the foreign search reports are attached for the Examiner's information.
- ☒ 3. In accordance with 37 CFR §1.98(a)(2)(ii), copies of any U.S. patents and patent application publications are not attached.
- ☒ 4. English language Abstracts of the non-English language references are attached hereto. See Reference 6 and 7.

- ☒ 5. A computer-generated English language translation of the following Japanese Patent Publication has been obtained from the website of the Japanese Patent Office (<http://www.jpo.go.jp>), and is attached, but has not been reviewed for accuracy. See Reference 7.

Respectfully submitted,



James A. Oliff  
Registration No. 27,075

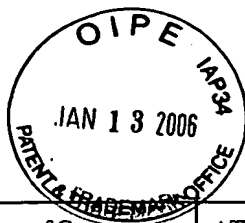
Gang Luo  
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JAO:GXL/sqb

Date: January 13, 2006

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Sheet 1 of 1

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|---|---|--|------------|----------------------------------|-----------------|-------------------------------|--|
| Form PTO-1449<br>(REV. 8-83)  |   | US Dept. of Commerce<br>PATENT & TRADEMARK OFFICE  |            | ATTY DOCKET NO.<br>116710        |                 | APPLICATION NO.<br>10/654,432 |  |
| INFORMATION DISCLOSURE STATEMENT<br><br>(Use several sheets if necessary)   |   |  |            | APPLICANT<br>Hironori OKADO      |                 |                               |  |
|   |   |  |            | FILING DATE<br>September 4, 2003 |                 | GROUP<br>2821                 |  |
| U.S. PATENT DOCUMENTS   |   |  |            |                                  |                 |                               |  |
| EXAMINER<br>INITIAL   |   | DOCUMENT NUMBER  | DATE       | NAME                             | CLASS           | SUB<br>CLASS                  |  |
|   | 1 | 6,747,600  | 06/08/2004 | Kin Lu WONG et al.               |                 |                               |  |
|   | 2 | 6,768,461  | 07/27/2004 | Donald A. HUEBNER et al.         |                 |                               |  |
|   | 3 | 4,605,933  | 08/12/1986 | Frank D. BUTSCHER                |                 |                               |  |
|   | 4 | 5,521,606  | 05/28/1996 | Hiroshi IJIMA et al.             |                 |                               |  |
|   |   |  |            |                                  |                 |                               |  |
|   |   |  |            |                                  |                 |                               |  |
|   |   |  |            |                                  |                 |                               |  |
| FOREIGN PATENT DOCUMENTS  |   |  |            |                                  |                 |                               |  |
|   |   | DOCUMENT NUMBER  | DATE       | COUNTRY                          | CLASS           | SUB<br>CLASS                  |  |
|   | 5 | EP 0 831 548 A2  | 03/25/1998 | Europe                           |                 |                               |  |
|   | 6 | JU H 05-82122 (w/English<br>Abstract)  | 11/5/1993  | Japan                            |                 |                               |  |
|   | 7 | JP A 10-98330 ( w/English Abstract<br>and Translation and Corresponding<br>to EP 0 831 548 A2) | 04/14/1998 | Japan                            |                 |                               |  |
|   |   |  |            |                                  |                 |                               |  |
|   |   |  |            |                                  |                 |                               |  |
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)  |   |  |            |                                  |                 |                               |  |
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|   |   |  |            |                                  |                 |                               |  |
| EXAMINER  |   |  |            |                                  | DATE CONSIDERED |                               |  |
| Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |   |  |            |                                  |                 |                               |  |

Date: January 13, 2006